

W. Horn as a subspecies of *tranquebarica*. It is described from Placer Co., California, and is reported by Mr. Leng as occurring also in Oregon. Accepting Dr. Horn's dictum in regard to the position of this form, my suggested arrangement of the *tranquebarica* series would be as follows :

Cicindela tranquebarica Herbst.

Syn.—*vulgaris* Say, *obliquata* Dej., Kby., *kirbyi* Lec.,
horiconensis Leng.

Subsp.—*vibex* Horn.

Syn.—*roguensis* Harris.

Aber.—*vibex* aut. post.

Subsp.—*sierra* Leng.

Subsp.—*plutonica* Casey.

From what has been written concerning the various geographical races and local forms, it will be noticed at once that the species as a whole is more homogeneous in the northern parts of the range, while to the south it tends to split into many imperfectly differentiated assemblages of less than specific value. A nice problem is offered to some student who will undertake to work out the details of probable origin and diffusion of the many types of *Cicindela* in North America.

A New *Tabanus* Related to *punctifer*.

BY D. W. COQUILLET.

Tabanus subniger n. sp.—Near *punctifer* but larger, base of front tibiae not whitish, abdomen with white hairs along the sides and apex, etc. Black, with a tinge of brown, the mesonotum and scutellum brownish yellow, gray pruinose and covered with white hairs ; elsewhere the hairs are chiefly black except along the sides and apex of the abdomen where there are many white ones which become more numerous posteriorly ; front calypteres also fringed with white hairs. Front very broad above the subcallus with parallel sides, this portion being about two and a half times as long as wide, subcallus opaque, grayish pruinose, callus polished, transversely oval and with an indistinct, linear prolongation above. Eyes bare. Wings gray ; costal cell and stigma pale brown, a brown cloud at base of second submarginal and of the posterior cells. Length, 25 mm.

Lake Forest, Illinois. A female collected March 27, 1904, by Dr. J. G. Needham. Type No. 8301, U. S. Nat. Mus.